

IN THE CLAIMS

Please cancel Claims 6 and 12, without prejudice or disclaimer of subject matter.

Please amend Claims 1, 7, 8, 11, 14 and 15, and add Claims 18-26, to read as follows.

1. (Currently Amended) A liquid ejecting head comprising:
a card edge contact having a plurality of electrical contacts for transmission of a driving signal;
a recording element substrate having a recording element for generating energy contributable to eject liquid onto a recording material in response to the driving signal; and
an electrical flexible cable for electrical connection between said card edge contact and said recording element substrate, and
a projection for damming flow of the liquid deposited on a surface so as to prevent the liquid from flowing toward said card edge contact.

2. (Previously Presented) A liquid ejecting head according to Claim 1, wherein an inserting direction of said card edge contact into a card edge connector with which said card edge contact is electrically connected is substantially perpendicular or parallel to a direction in which the liquid is ejected from said recording element substrate.

3. (Previously Presented) A liquid ejecting head according to Claim 1, wherein said electrical flexible cable extends substantially in a U-like shape between a surface of a casing of said liquid ejection recording head and a member that has said card edge contact and that is disposed opposed to said surface of said casing.

4. (Previously Presented) A liquid ejecting head according to Claim 3, wherein the U-like shape has an opening in a direction substantially the same as a direction in which the liquid is ejected.

5. (Previously Presented) A liquid ejecting head according to Claim 1, wherein said card edge contact comprises a card edge substrate comprising a rigid base plate on which wiring leads constituting a circuit are formed.

6. (Canceled)

7. (Currently Amended) A liquid ejecting head according to Claim ~~[[6]]~~ 1, wherein said projection is provided on said electrical flexible cable, and extends in a direction crossing a direction of flow of the liquid toward said card edge contact.

8. (Currently Amended) A liquid ejecting head ~~according to Claim 1~~, further comprising:

a card edge contact having a plurality of electrical contacts for transmission of a driving signal;

a recording element substrate having a recording element for generating energy contributable to eject liquid onto a recording material in response to the driving signal; and

an electrical flexible cable for electrical connection between said card edge contact and said recording element substrate, and

a main body portion supporting said card edge contact and said recording element substrate,

wherein said main body portion is provided with a connection surface for connection with said electrical flexible cable, and said connection surface has a groove for stopping flow of the liquid, deposited on a surface of said liquid ejection recording head, toward said card edge contact.

9. (Previously Presented) A liquid ejecting head according to Claim 8, wherein said groove is extended in a direction crossing a direction in which the liquid flows toward said card edge contact.

10. (Original) A liquid ejecting head according to Claim 8, wherein said main body portion has an ink container holder for holding an ink container for containing the liquid.

11. (Currently Amended) A manufacturing method for manufacturing a liquid ejection recording head including a card edge contact having a plurality of electrical contacts for transmission of a driving signal; a recording element substrate having a recording element for generating energy contributable to eject liquid onto a recording material in response to the driving signal; a recording element unit supporting the recording element substrate; and a main body supporting the card edge contact and the recording element substrate, wherein the card edge contact and the recording element substrate are electrically connected by an electrical flexible cable, said method comprising the steps of:

connecting the electrical flexible cable to the recording element unit while the recording element substrate and the card edge contact are in electrical connection with each other, and mounting the recording element unit on one side of the main body;

bending the electrical flexible cable so as to be along another side of the main body which is adjacent to the one side;

connecting at least a part of the electrical flexible cable to the other side of the main body; and

mounting the card edge contact to the main body, with a portion of the electrical flexible cable being not connected with the main body and being bent at a predetermined angle,

wherein the card edge contact and the main body are provided with respective holes through which fixing means for fixing the card edge contact to the main body are provided, and the hole in the card edge contact is elongated in a direction perpendicular to a

direction in which the electrical flexible cable extends from the recording element substrate to the card edge contact.

12. (Canceled)

13. (Previously Presented) A method according to Claim 11, wherein the predetermined angle is such that a direction of insertion of the card edge contact into a card edge connector to which the card edge contact is electrically connected is substantially perpendicular or parallel to a direction of ejection of the liquid.

14. (Currently Amended) ~~A method according to Claim 11, further comprising a step of~~ A manufacturing method for manufacturing a liquid ejection recording head including a card edge contact having a plurality of electrical contacts for transmission of a driving signal; a recording element substrate having a recording element for generating energy contributable to eject liquid onto a recording material in response to the driving signal; a recording element unit supporting the recording element substrate; and a main body supporting the card edge contact and the recording element substrate, wherein the card edge contact and the recording element substrate are electrically connected by an electrical flexible cable, said method comprising the steps of:

connecting the electrical flexible cable to the recording element unit while the recording element substrate and the card edge contact are in electrical connection with each other, and mounting the recording element unit on one side of the main body;

bending the electrical flexible cable so as to be along another side of the main body which is adjacent to the one side;

connecting at least a part of the electrical flexible cable to the other side of the main body;

mounting the card edge contact to the main body, with a portion of the electrical flexible cable being not connected with the main body and being bent at a predetermined angle; and

providing a projection for damming flow of the liquid deposited on a surface so as to prevent the liquid from flowing toward the card edge contact.

15. (Currently Amended) ~~A method according to Claim 11, further comprising a step of~~ A manufacturing method for manufacturing a liquid ejection recording head including a card edge contact having a plurality of electrical contacts for transmission of a driving signal; a recording element substrate having a recording element for generating energy contributable to eject liquid onto a recording material in response to the driving signal; a recording element unit supporting the recording element substrate; and a main body supporting the card edge contact and the recording element substrate, wherein the card edge contact and the recording element substrate are electrically connected by an electrical flexible cable, said method comprising the steps of:

connecting the electrical flexible cable to the recording element unit while the recording element substrate and the card edge contact are in electrical connection with each other, and mounting the recording element unit on one side of the main body;

bending the electrical flexible cable so as to be along another side of the main body which is adjacent to the one side;

connecting at least a part of the electrical flexible cable to the other side of the main body;

mounting the card edge contact to the main body, with a portion of the electrical flexible cable being not connected with the main body and being bent at a predetermined angle; and

providing a groove on the other side of the main body, to which at least a part of the electrical flexible cable is connected, wherein the groove is for stopping flow of the liquid, deposited on a surface of the liquid ejection recording head, toward the card edge contact.

16. (Previously Presented) A method according to Claim 11, wherein the main body has an ink container holder for holding an ink container for containing the liquid.

17. (Previously Presented) A recording device comprising:
a head holding member for detachably holding a liquid ejection recording head as defined in Claim 1;
a plurality of electrical contacts to be connected with respective electrical contacts provided in the card edge contact of the liquid ejection recording head; and
a card edge connector mounted to the head holding member.

18. (New) A liquid ejecting head according to Claim 8, wherein an inserting direction of said card edge contact into a card edge connector with which said card edge contact is electrically connected is substantially perpendicular or parallel to a direction in which the liquid is ejected from said recording element substrate.

19. (New) A liquid ejecting head according to Claim 8, wherein said electrical flexible cable extends substantially in a U-like shape between a surface of a casing of said liquid ejection recording head and a member that has said card edge contact and that is disposed opposed to said surface of said casing.

20. (New) A liquid ejecting head according to Claim 19, wherein the U-like shape has an opening in a direction substantially the same as a direction in which the liquid is ejected.

21. (New) A liquid ejecting head according to Claim 8, wherein said card edge contact comprises a card edge substrate comprising a rigid base plate on which wiring leads constituting a circuit are formed.

22. (New) A method according to Claim 14, wherein the predetermined angle is such that a direction of insertion of the card edge contact into a card edge connector to which the card edge contact is electrically connected is substantially perpendicular or parallel to a direction of ejection of the liquid.

23. (New) A method according to Claim 14, wherein the main body has an ink container holder for holding an ink container for containing the liquid.

24. (New) A method according to Claim 15, wherein the predetermined angle is such that a direction of insertion of the card edge contact into a card edge connector to which the card edge contact is electrically connected is substantially perpendicular or parallel to a direction of ejection of the liquid.

25. (New) A method according to Claim 15, wherein the main body has an ink container holder for holding an ink container for containing the liquid.

26. (New) A recording device comprising:
a head holding member for detachably holding a liquid ejection recording head as defined in Claim 8;

a plurality of electrical contacts to be connected with respective electrical contacts provided in the card edge contact of the liquid ejection recording head; and

a card edge connector mounted to the head holding member.